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(54) AIR CLEANING, DEODORIZING AND, PURIFYING      COPYRIGHT: (C)2000,JPO  
MACHINE

(57) Abstract

PROBLEM TO BE SOLVED: To provide a means which can carry out reproduction of clean air, dust collection, air sterilization, effects of a therapeutic walk in the forest, deodorization, and adsorption of acidic gas stably and safely.

SOLUTION: A dust collection part 2 using a high-voltage direct current Coulomb action, an ozone generation part using a fine-ceramic dielectric layer, an ozone deodorization catalyst 8, an acidic gas adsorbent 9, and a fan 10 are arranged in turn from an air suction port toward an air discharge opening, an ozone detection sensor 11 is set in the air discharge opening, an ozone concentration in a gas phase on the discharge side of the fan 10 is monitored by the sensor 11, and the output of ozone generation is controlled through a control part 12.

